

# Comparisons of Job Characteristics

**Focus Occupation:** Etchers and Engravers (51-9194)

**Associated Occupation:** Patternmakers, Metal and Plastic (51-4062)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 58

**Focus Occupation:** Etchers and Engravers (51-9194)

**Associated Occupation:** Patternmakers, Metal and Plastic (51-4062)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	16.3	9.4	<<	Extensive education and/or training may be required
Design	5.2	14.4	10.0	<<	Extensive education and/or training may be required
Mathematics	9.2	14.2	9.7	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	13.0	5.2	<<	Extensive education and/or training may be required
Production and Processing	6.0	10.6	15.0	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 86

**Focus Occupation:** Etchers and Engravers (51-9194)

**Associated Occupation:** Patternmakers, Metal and Plastic (51-4062)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	9.5	8.5	<	A higher skill level may be required
Operation and Control	5.4	8.7	7.6	<	A higher skill level may be required
Operations Analysis	5.0	6.7	5.1	<	A higher skill level may be required
Technology Design	2.6	4.6	2.4	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 91			
Focus Occupation: Etchers and Engravers (51-9194) Associated Occupation: Patternmakers, Metal and Plastic (51-4062)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Near Vision	11.1	11.5	11.6	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	10.7	12.1	>	Current ability level is likely sufficient
Visualization	7.5	10.2	8.2	<	Some improvement in abilities may be required
Control Precision	6.6	10.0	11.2	>	Current ability level is likely sufficient
Oral Comprehension	12.5	10.0	11.0	>	Current ability level is likely sufficient
Information Ordering	9.9	9.7	8.4	<	Some improvement in abilities may be required
Oral Expression	12.4	9.6	10.8	>	Current ability level is likely sufficient
Problem Sensitivity	11.1	9.5	8.3	<	Some improvement in abilities may be required
Rate Control	3.8	6.8	6.4	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 65
Focus Occupation: Etchers and Engravers (51-9194) Associated Occupation: Patternmakers, Metal and Plastic (51-4062)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Examine products or work to verify conformance to specifications	15	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Monitor production machinery/equipment operation to detect problems	27	
Operate metal or plastic fabricating equipment/machinery	54	
Read technical drawings	7	
Understand technical operating, service or repair manuals	6	
Use hand or power tools	2	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Etchers and Engravers (51-9194)**

**Associated Occupation: Patternmakers, Metal and Plastic (51-4062)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.